

APPENDIX A
SAMPLE DATA PREPARATION INSTRUCTIONS
FOR MILITARY MANPOWER

A. FORCE STRUCTURE DYNAMICS (DE W)

Demand Table B (field 4, position 5, code B) displays the force structure allowance and its components as well as the incremental change in force structure allowance (mobilization manpower increment **(MMI)**) during a time period. The change in force structure allowance is due primarily to the higher reaming levels during wartime but also encompasses changes due to inactivated units, reduced units, **civilianization**, expansion of units, reduced requirements for lost facilities or equipment not replaced, and manpower required for **unmanned** units. Detail is furnished on theater, officer and enlisted personnel, and occupational category.

Instructions:

Data are to be supplied for theaters specified in the scenario-specific guidance. Data input **tables** should be completed using the code, fields, and positions specified for each manpower category in subsections A1. through A.9, below. A sample data input table follows the conceptual layout.

1. Manpower Authorized In Units (Code 1). This is the peacetime force structure allowance (programmed manpower structure) authorized in the FYDP (reference (g)) for the active forces (exclusive of individuals) and the peacetime authorized strength (total paid strength) for the Selected Reserves. Data apply to **pre-S-Day** only (fields 8 through 10, positions 12 through 29).

2. Additional Manpower Required (Code 2). This is the incremental change in manpower required to attain wartime strength, consistent with scheduled employment or deployment. The incremental changes necessary to attain wartime strength occur on or after S-Day consistent with the scheduled employment or deployment of the units. Incremental changes which occur after full mobilization will be reflected as changes to the active force structure. Transfers to a theater will be shown as a positive entry. Transfers from a theater may be shown as a negative entry (see also 9., below) (fields 12 through 28, positions 36 through 137).

3. Manpower From Inactivated Units (Code 3). This is the incremental change in manpower in units that have no manpower demand after mobilization (fields 16 through 28, positions 60 through 137).

4. Manpower From Reduced Units (Code 4). This is the incremental change in manpower in units with a reduced manpower demand as a result of a reduced post-mobilization work load (fields 16 through 28, positions 60 through 137).

5. Reductions Due To Lost Equipment Not Replaced (Code 5). This is the incremental change in manpower in units that are destroyed and normally cannot be reconstituted. For example, if a Navy ship is destroyed, the force structure is reduced, thereby precluding any need to replace the crew.

Similarly, if an aircraft is destroyed, the force structure is reduced, thereby precluding any need to replace the air crew or associated maintenance personnel. Conversely, a mechanized infantry battalion which loses all of its **personnel** carriers may be reconstituted as an infantry battalion. The force structure would not be reduced. The demand for combat **personnel** would be essentially unchanged. However, the demand for maintenance **personnel** would decrease (fields 16 through 28, positions 60 through 137).

6. Military Replaced By Civilians (Code 6). This is the incremental change in manpower to reflect military positions to be filled by civilians after mobilization (fields 16 through 28, positions 60 through 137).

7. Civilians Replaced By Military (Code 7). This is the incremental change in manpower to reflect civilian positions to be **filled** by military after mobilization (fields 16 through 28, positions 60 through 137).

8. Manpower For Unmanned Units (Code 8). This is the incremental change in manpower in units for which equipment stocks and a mobilization or fill schedule exists prior to M-Day, but for which no manpower is authorized during peacetime. Demands will reflect phased incremental increases for each unit to attain required wartime strength consistent with scheduled employment or deployment (fields 16 through 28, positions 60 through 137).

9. Transfers Out Of a Theater (Code 9). This is the incremental change in manpower reflecting transfers from a theater (fields 16 through 28, positions 60 through 137).

Conceptual Layout

$$\begin{aligned}
 & (\text{Manpower authorized in units})t_0 \\
 & + \sum_{i=1}^n (\text{Additional manpower required})t_i \\
 & - \sum_{i=1}^u (\text{Manpower from inactivated units})t_i \\
 & - \sum_{i=1}^n (\text{Manpower from reduced units})t_i \\
 & - \sum_{i=1}^n (\text{Reductions due to lost equipment not replaced})t_i \\
 & - \sum_{i=1}^n (\text{Military replaced by civilians})t_i \\
 & + \sum_{i=1}^n (\text{Civilians replaced by military})t_i
 \end{aligned}$$

$$+ \sum_{i=1}^n (\text{Manpower for unmanned units}) t_i "$$

$$- \sum_{i=1}^n (\text{Transfers out of theater}) t_i$$

= Force structure allowance at t_n

=> Mobilization manpower increment at t_n

The mobilization manpower increment at t_n is the difference between the force structure allowance at t_n and the force structure allowance at t_{n-1} . The mobilization manpower increment at t_n is also equal to the algebraic sum of all entries for t_n .

TABLE B — FORCE STRUCTURE DYNAMICS

FIELD		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19						
		YEAR	COMPONENT	FILLER	TABLE	THEATER	MANPOWER CATEGORY	MANPOWER TYPE	PRE-S-DAY (ACTIVE)	PRE-S-DAY (GUARD)	PRE-S-DAY (RESERVE)	PRE-S-DAY (IMA)	S-DAY (ACTIVE)	S-DAY (GUARD)	S-DAY (RESERVE)	S-DAY (IMA)	M-DAY (ACTIVE)	M-DAY (GUARD)	M-DAY (RESERVE)	M+10						
POSITION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
1		X	X	X		B	X	0	1	O			X	MANPOWER CATEGORY 01 DATA										X		
2								0	1	E			X											X		
3								0	2	O				X	MANPOWER CATEGORY 02 DATA											
4								0	2	E				X												
5								0	3	O							X									
6								0	3	E																
7								0	4	O																
8								0	4	E																
9								0	5	O																
10								0	5	E																
11								0	6	O																
12								0	6	E																
13								0	7	O																
14								0	7	E																
15								0	8	O																
16								0	8	E																
17								0	9	O																
18		X	X	X		B	X	0	9	E							X									
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23																										
24																										
25																										
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

A-4

TABLE B — FORCE STRUCTURE DYNAMICS (Continued)

The chart is a grid with a horizontal axis labeled 'D' and a vertical axis labeled 'POSITION'.

The horizontal axis 'D' has major tick marks at 19, 20, 21, 22, 23, 24, 25, 26, 27, and 28. The vertical axis 'POSITION' has major tick marks from 1 to 25.

The chart is divided into sections by diagonal lines. The sections are labeled as follows:

- M+10 (continued)
- M+20
- M+30
- M+40
- M+50
- M+60
- M+90
- M+120
- M+150
- M+180

A central area is labeled "MANPOWER CATEGORY 02 - 09 DATA".

A vertical line with 'X' marks is drawn at position 18, extending from the top to the bottom of the grid.

B. REPLACEMENT DYNAMICS (DE MAND)

Demand Table C (field 4, position 5, code C) displays the replacement demand and its components. The replacement demand is generated by casualties and other losses and **can** be defined as the difference between the losses (**KCMIA**, WIA admissions, DNBI admissions, and deserters) and the returns to duty (from patients, deserters, and MIAs) adjusted for transient time. Detail is furnished on theater, officer and enlisted personnel, and occupational category.

Instructions

All losses and returns to duty are to be shown at the time they occur. Data are to be supplied for theaters specified in the scenario-specific guidance. Data input tables should be completed using the code, fields, and positions specified for each manpower category below. A sample data input table follows the conceptual layout.

1. Losses Due to:

a. KCMIAs (Code 1). Combat casualty losses (fields 19 through 28, **positions 78** through 137).

b. WIA Admissions (Code 2). Combat casualty patients (fields 19 through 28, positions 78 through 137).

c. DNBI Admissions (Code 3). Nonbattle casualty patients (field **16**, positions 60 through 65; fields 19 through 28, positions 78 through 137).

d. Deserters (Code 4). Defined by DoD Directive 1325.2 (reference (j)) (field **16**, positions 60 through 65; fields 19 through 28, positions 78 through 137).

2. Returns To Duty From:

a. Patients (Code 5). Patients are DNBI admissions and WIA admissions (field **16**, positions 60 through 65; fields 19 through 28, positions 78 through 137).

b. Deserters and MIAs (Code 6). Deserters and MIAs are defined above (field **16**, positions 60 through 65; fields **19** through 28, positions 78 through 137).

3. Patients Remaining (Code 7). **DNBI** admissions and WIA admissions who have not died, and who have not been returned to duty, discharged, or evacuated. Entries for this category will not be used in computing the replacement demand (field 16, positions 60 through 65; fields 19 through 28, positions 78 through **137**).

4. Patients Evacuated (Code 8). DNBI admissions and WIA admissions who are evacuated from theater to a CONUS medical facility. Entries for this category will not be used in computing the replacement demand (field 16, positions 60 through 65; fields 19 through 28, positions 78 through 137).

5. Died of Wounds (Code 9). DNBI admissions and WIA admissions who die of disease, injury, or wounds after admission to a medical facility. Entries for this category will not be used in computing the replacement demand (field 16, positions 60 through 65; fields 19 through 28, positions 78 through 137).

6. Medical Discharges (Code 10). DNBI admissions and WIA admissions who have not died or have not been returned to duty but have been discharged from Military Service because of medical disability. Entries for this category will not be used in computing the replacement demand (field 16, positions 60 through 65; fields 19 through 28, positions 78 through 137).

Conceptual Layout

$$\begin{aligned}
 & (\text{KCMIA})t_i \\
 + & (\text{WIA admissions})t_i \\
 + & (\text{DNBI admissions})t_i \\
 + & (\text{Deserters})t_i \\
 & (\text{Returns to duty from patients})t_i \\
 & (\text{Returns to duty from deserters and MIAs})t_i \\
 = & \text{Replacement demand at } t_i \\
 \Rightarrow & \text{Replacement demand at } t_i \text{ (adjusted for transient time)} \\
 & (\text{Patients remaining})t_i \text{ (nonadd)} \\
 & (\text{Patients evacuated})t_i \text{ (nonadd)} \\
 & (\text{Died of wounds})t_i \text{ (nonadd)} \\
 & (\text{Medical discharges})t_i \text{ (nonadd)}
 \end{aligned}$$

NOTE : Replacement demand in a theater of operations is adjusted forward by one time period so that a casualty incurred during t_i will be considered a replacement demand during t_{i-1} .

TABLE C — REPLACEMENT DYNAMICS

FIELD	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	YEAR	COMPONENT	FILLER	TABLE	THEATER	MANPOWER CATEGORY	MANPOWER TYPE	PRE-S-DAY (ACTIVE)	PRE-S-DAY (GUARD)	PRE-S-DAY (RESERVE)	PRE-S-DAY (IMA)	S-DAY (ACTIVE)	S-DAY (GUARD)	S-DAY (RESERVE)	S-DAY (IMA)	M-DAY (ACTIVE)	M-DAY (GUARD)	M-DAY (RESERVE)	M-10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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MANPOWER CATEGORY 03 - 10 DATA

TABLE C — REPLACEMENT DYNAMICS (Continued)

POS	MANPOWER CATEGORY 01 - 10 DATA									
	M+10 (continued)	M+20	M+30	M+40	M+50	M+60	M+80	M+120	M+150	M+180
1	01	02	03	04	05	06	07	08	09	10
2	11	12	13	14	15	16	17	18	19	20
3	21	22	23	24	25	26	27	28	29	30
4	31	32	33	34	35	36	37	38	39	40
5	41	42	43	44	45	46	47	48	49	50
6	51	52	53	54	55	56	57	58	59	60
7	61	62	63	64	65	66	67	68	69	70
8	71	72	73	74	75	76	77	78	79	80
9	81	82	83	84	85	86	87	88	89	90
10	91	92	93	94	95	96	97	98	99	100
11	101	102	103	104	105	106	107	108	109	110
12	111	112	113	114	115	116	117	118	119	120
13	121	122	123	124	125	126	127	128	129	130
14	131	132	133	134	135	136	137	138	139	140
15	141	142	143	144	145	146	147	148	149	150
16	151	152	153	154	155	156	157	158	159	160
17	161	162	163	164	165	166	167	168	169	170
18	171	172	173	174	175	176	177	178	179	180
19	181	182	183	184	185	186	187	188	189	190
20	191	192	193	194	195	196	197	198	199	200
21	201	202	203	204	205	206	207	208	209	210
22	211	212	213	214	215	216	217	218	219	220
23	221	222	223	224	225	226	227	228	229	230
24	231	232	233	234	235	236	237	238	239	240
25	241	242	243	244	245	246	247	248	249	250

C. STRUCTURE STRENGTHS (SUPPLY)

1. Supply Table H (field 4, position 5, code H) displays the following components of structure strength:

a. Active Force Structure Strength. On **pre-S-Day**, the active force structure strength (operating strength) is the number of active military **personnel** actually in units. It is derived by adjusting the force structure allowance to reflect the force structure deviation. On S-Day, the force structure strength is adjusted to reflect the 200K call-up. On M-Day, the force structure strength is adjusted to reflect the partial mobilization call-up.

b. Selected Reserve Force Structure Strength. On **pre-S-Day**, the Selected Reserve force structure strength (operating strength) is the number of Reserve military personnel actually in units. It is derived by subtracting trainees and nonunit Reservists from the **pre-S-Day** force structure allowance and adjusting by the force structure deviation. On S-Day, the force structure strength is adjusted to reflect the 200K call-up. On M-Day, the force structure strength is adjusted to reflect no-shows and the partial mobilization call-up.

c. Trained (Nonunit) Individuals. On **pre-S-Day**, trained (nonUnit) individuals includes THS. On S-Day and beyond, trained individuals is adjusted to reflect incremental changes for THS.

2. Detail is furnished on officer and enlisted personnel and occupational category.

Instructions

Data apply only to theater code **Y**. Data input tables shall be completed using the code, fields, and positions specified for each manpower category below. A sample data input table follows the conceptual layout.

1. Force Structure Allowance - Active (Code 1). The peacetime force structure allowance (programmed manpower structure) authorized in the FYDP (reference (g)), (exclusive of individuals). Data apply to **pre-S-Day** only. This entry should equal the **pre-S-Day** force structure allowance for the active forces on Table **B** (field 8, positions 12 through 17).

2. Force Structure Deviation - Active (PE 887220) (Code 2). The difference between the peacetime force structure, allowance (programmed manpower structure) and actual force structure strength (operating strength). Data apply to **pre-S-Day** only. This entry must agree with the FYDP (reference (g)). The entry will be negative when the force structure allowance exceeds the actual manpower program strength and positive when the allowance is less than the actual strength (field 8, positions 12 through 17).

3. Manpower to be Trained (Code 3). Members of the force structure who cannot be used in their current skills and must be retrained to fill mobilization positions. They are to be shown also as "Current Service" accessions on Table J (field 16, positions 60 through 65; fields 19 through 28, positions 78 through 137).

4. Force Structure Allowance - Selected-Reserve (Code 4). The peacetime authorized strength (total paid strength) of Selected Reserve units and individuals. It includes Reserve component categories (RCC) **S**, **T**, and **U**. Army and Air Force entries should distinguish between **National** Guard and Reserve units and individual mobilization augmenters (**IMAs**). Navy, Marine Corps, and Coast Guard entries will distinguish between Reserve units and **IMAs**. Data apply to **pre-S-Day** only. Entries should equal the **pre-S-Day** peacetime authorized strength (total paid strength) of the Selected Reserve on Table B (fields 9 through 11, positions 18 through 35).

5. Force Structure Deviation - Selected Reserve (Code 5). The difference between the peacetime authorized strength and the actual strength. Data apply to **pre-S-Day** only. The entry will be negative when the force structure allowance exceeds the actual manpower program strength and positive when the allowance is less than actual strength (fields 9 through 10, positions 18 through 29).

6. Selected Reserve Presidential Call Up (200K Call UP) (Code 6). The Selected Reserve manpower that is mobilized under the Presidential authority in 10 USC 673(b). Can go up to 200,000. Data apply to S-Day only. The mobilized manpower may include **IMAs** and will be a decrement to the Selected Reserve force structure strength and a corresponding increase to the active force structure strength (fields 13 through 15, positions 42 through 59).

7. Ready Reserve Presidential Call Up (Partial Mobilization Call-Up) (Code 7). The Reserve manpower that is mobilized after a Presidential declaration of a national emergency under partial mobilization (Section 673 of reference (t)). Can go up to 1 million. Data apply to M-Day only. The mobilized manpower may include **IMAs** and **IRRs** and will be a decrement to the Selected Reserve force structure strength and a corresponding increase to the active force structure strength (fields 17 through 18, positions 66 through 77).

8. Trainees (Code 8). The enlisted members of the Selected Reserve in training and/or retirement categories (TRC) **F**, **P**, **Q**, **T**, and **X**. Data apply to **pre-S-Day** only. Entries are to equal trainee figures in the FYDP (reference (g)) for **pre-S-Day** (fields 9 through 10, positions 18 through 29).

9. No Shows (Code 9). Those members of the Selected Reserve who do not reach their units on M-Day. Data apply to M-Day only (fields 17 through 18, positions 66 through 77).

10. Trained (Nonunit) Individuals (Code 10). The **individual category** (program 8) of trained **military** personnel (including cadets and **midshipmen**) who are not assigned to force structure units. It includes transients (PE 887320), **holdees** (PE 887210), and students (officer **RICS** 0041, 0042, 0043, and 0044, and enlisted **RICs**, 0131, 0132, 0133, 0134, 0140, 0141, and 0142). The **pre-S-Day** entry must equal the total population of THS in the FYDP (reference (g)). For S-Day and beyond, entries must reflect only incremental changes in the "individuals" population. Incremental changes are shown as negative entries to denote individuals returning to units and as positive entries to denote accessions to the individuals category (field 8, positions 12 through 17; field 12, positions 36 through 41; field 16, positions 60 through 65; fields 19 through 28, positions 78 through 137).

Conceptual Layout

(Force structure allowance - **active**) t_0
+ (Force structure deviation - **active**) t_0
= Force structure strength - active at t_0
+ **(200K call-up)** t_1
= Force structure strength - active at t_1
+ **(IMA)** t_0
- **(IMA)** t_1
+ (Partial mobilization **call-up**) t_2
= Force structure strength - active at t_2
(Force structure allowance - Selected **Reserve**) t_0
+ (Force structure deviation - Selected **Reserve**) t_0
- **(Trainees)** t_0
= Force structure strength - Selected Reserve at t_0
- **(200K call-up)** t_1
= Force structure strength - Selected Reserve at t_1
- (Partial mobilization **call-up**) t_2
- **(No-shows)** t_2
= Force structure strength - Selected Reserve at t_2
(Trained **(nonunit)** individuals) t_i
+ Trained **(nonunit)** individuals **(cum)** t_{i-1}
= Trained **(nonunit)** individuals **(cum)** at t_i

TABLE H — STRUCTURE STRENGTHS

FIELD	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	YEAR	COMPONENT	FILLER	TABLE	THEATER	MANPOWER CATEGORY	MANPOWER TYPE	PRE-S-DAY (ACTIVE)	PRE-S-DAY (GUARD)	PRE-S-DAY (RESERVE)	PRE-S-DAY (IMA)	S-DAY (ACTIVE)	S-DAY (GUARD)	S-DAY (RESERVE)	S-DAY (IMA)	M-DAY (ACTIVE)	M-DAY (GUARD)	M-DAY (RESERVE)	M+10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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TABLE H — STRUCTURE STRENGTHS [Continued]

FIELD	19										20										21										22										23										24										25										26										27										28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	M+10 (continued)										M+20										M+30										M+40										M+50										M+60										M+90										M+120										M+150										M+180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
POSITION	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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D. TRAINING DYNAMICS (SUPPLY)

Supply Table J (field 4, position 5, code J) displays the training output during and the number of trainees at the end of each time period. Trainees at end is defined as the sum of trainees at the start of a time period **plus** accessions during the time period minus any trainee attrition and **minus** any training output during the time period. Detail is furnished on officer and enlisted personnel. Training output will also include occupational category.

Instructions

Data apply only to theater code Y. Data for total officers and total enlisted personnel (without regard to occupational category) are to be entered for all manpower categories except training output (which will include occupational category). The term "trainees" includes both officer accession students in training and enlisted trainees. The Army and Air Force provide separate entries for Active, National Guard, and Reserve; the Navy, Marine **Corps**, and Coast Guard provide entries for Active and Reserve. Data input **tables should** be completed using the code, fields, and positions specified for each manpower category, below. A sample data input table follows the conceptual layout.

1. Trainees at Start (Code 1). The number of trainees at the beginning of a given time period. Data will be entered for **pre-S-Day** only. The number of trainees at the beginning of each succeeding time period will be calculated to equal the number of trainees at the end of the previous time period. For example, trainees at start of **M+40** will equal trainees at end of **M+30**. Trainees at start of **M+10**, will equal the sum of the active, guard, and Reserve trainees at end of **pre-S-Day**. The number of active enlisted trainees (**RICs** 0135, 0136, 0137, 0138) and the number of active officer accession students (**RICs** 0045, 0046, 0047, 0048) on **pre-S-Day** is to equal the number provided in the **FYDP** (reference (g)). Selected Reserve trainees on **pre-S-Day** will include enlisted **personnel** in TRC F, T, and X, and **IRR personnel** in TRC J and K (fields 8 through 10, positions 12 through 29).

2. NPS Accessions - Active (Code 2). **All** accessions without PS or training, including personnel in the delayed entry program. Personnel shall be entered as NPS accessions-active at the time they are ordered to report for training (fields 19 through 28, positions 78 through 137).

3. NPS Accessions - Selected Reserve (Code 3). Selected Reserve **personnel** without PS or training. Reserve personnel in TRC H, P, and Q shall be mobilized as trainees (fields 19 through 28, positions 78 through 137).

4. CS Accessions (Code 4). Members of the active force who require some form of retraining or refresher training (see Code 3 on Table H) (fields 16 through 28, positions 60 through 137).

5. PS Accessions - ING (Code 5). Members of the **ING** who require some form of retraining or refresher training. The **ING** consists of personnel in TRC I (fields 19 through 28, positions 78 through 137).

6. PS Accessions - IRR (Code 6). Members of the **IRR** who require some form of retraining or refresher training. The **IRR** consists of personnel in TRC E (fields 19 through 28, positions 78 through 137).

7. PS Accessions - RTD (Code 7). Accessions who are retired from either regular or Reserve service and who require some form of retraining or refresher training (fields 19 through 28, positions 78 through 137).

8. PS Accessions - SBR (Code 8). Members of the SBR who require some form of retraining or refresher training. The SBR consists of personnel in **RCC Y** (fields 19 through 28, positions 78 through 137).

9. PS Accessions - Volunteer Veterans (VOL) (Code 9). Accessions who are veterans with no military obligation, who have volunteered for active duty and who require some form of retraining or refresher training (fields 19 through 28, positions 78 through 137).

10. Trainee Attrition (Code 10). Includes all individuals who, for any reason, leave training before completion (fields 19 through 28, positions 78 through 137).

11. Training Output - NPS (Code 11). Includes all NPS accessions who complete initial training and leave for their units. Any training output occurring on M-Day is to be included on **M+10 (fields 19 through 28, positions 78 through 137)**.

12. Training Output - CS (Code 12). Includes all CS accessions who complete retraining or refresher training and leave for their units. Any training output occurring on M-Day is to be included on **M+10 (fields 19 through 28, positions 78 through 137)**.

13. Training Output - ING (Code 13). Includes all ING accessions who complete retraining or refresher training and leave for their units. Training output - ING shall also be reflected in the appropriate category on Table K (fields 19 through 28, positions 78 through 137).

14. Training Output - IRR (Code 14). Includes all IRR accessions who complete retraining or refresher training and leave for their units. Training output - **IRR** shall also be reflected in the appropriate category on Table K (fields 19 through 28, positions 78 through 137).

15. Training Output - RTD (Code 15). Includes all retired accessions who complete retraining or refresher training and leave for their units. Training output - RTD shall also be reflected in the appropriate category on Table K (fields 19 through 28, positions 78 through 137).

16. Training Output - SBR (Code 16). Includes all SBR accessions who complete retraining or refresher training and leave for their units. Training output - SBR shall also be reflected in the appropriate category on Table K (fields 19 through 28, positions 78 through 137).

17. Training Output - VOL (Code 17). Includes all VOL accessions who complete retraining or refresher training and leave for their units. Training **output** - VOL shall also be reflected in the appropriate category on Table K (fields 19 through 28, positions 78 through 137).

Conceptual Layout

$$\begin{aligned} & (\text{Trainees at start})t_0 \\ + & \sum_{i=2}^n \text{NPS accessions})t_i \\ + & \sum_{i=2}^n \text{NPS accession - selected Reserve})t_i \\ + & \sum_{i=2}^n \text{CS accessions})t_i \\ + & \sum_{i=2}^n \text{PS accessions - ING})t_i \\ + & \sum_{i=2}^n \text{PS accessions - IRR})t_i \\ + & \sum_{i=2}^n \text{PS accessions - RTD})t_i \\ + & \sum_{i=2}^n \text{PS accessions - SBR})t_i \\ + & \sum_{i=2}^n \text{PS accessions - VOL})t_i \\ - & \sum_{i=2}^n (\text{Trainee attrition}) \\ - & \sum_{i=2}^n (\text{Training output - NPS})t_i \\ - & \sum_{i=2}^n (\text{Training output - CS})t_i \\ - & \sum_{i=2}^n (\text{Training output - ING})t_i \end{aligned}$$

$$- \sum_{i=2}^n (\text{Training output} - \text{IRR})t_i$$

$$- \sum_{i=2}^n (\text{Training output} - \text{RTD})t_i$$

$$- \sum_{i=2}^n (\text{Training output} - \text{SBR})t_i$$

$$- \sum_{i=2}^n (\text{Training output} - \text{VOL})t_i$$

= Trainees at end at t_n

=> Trainees incremental change at t_n

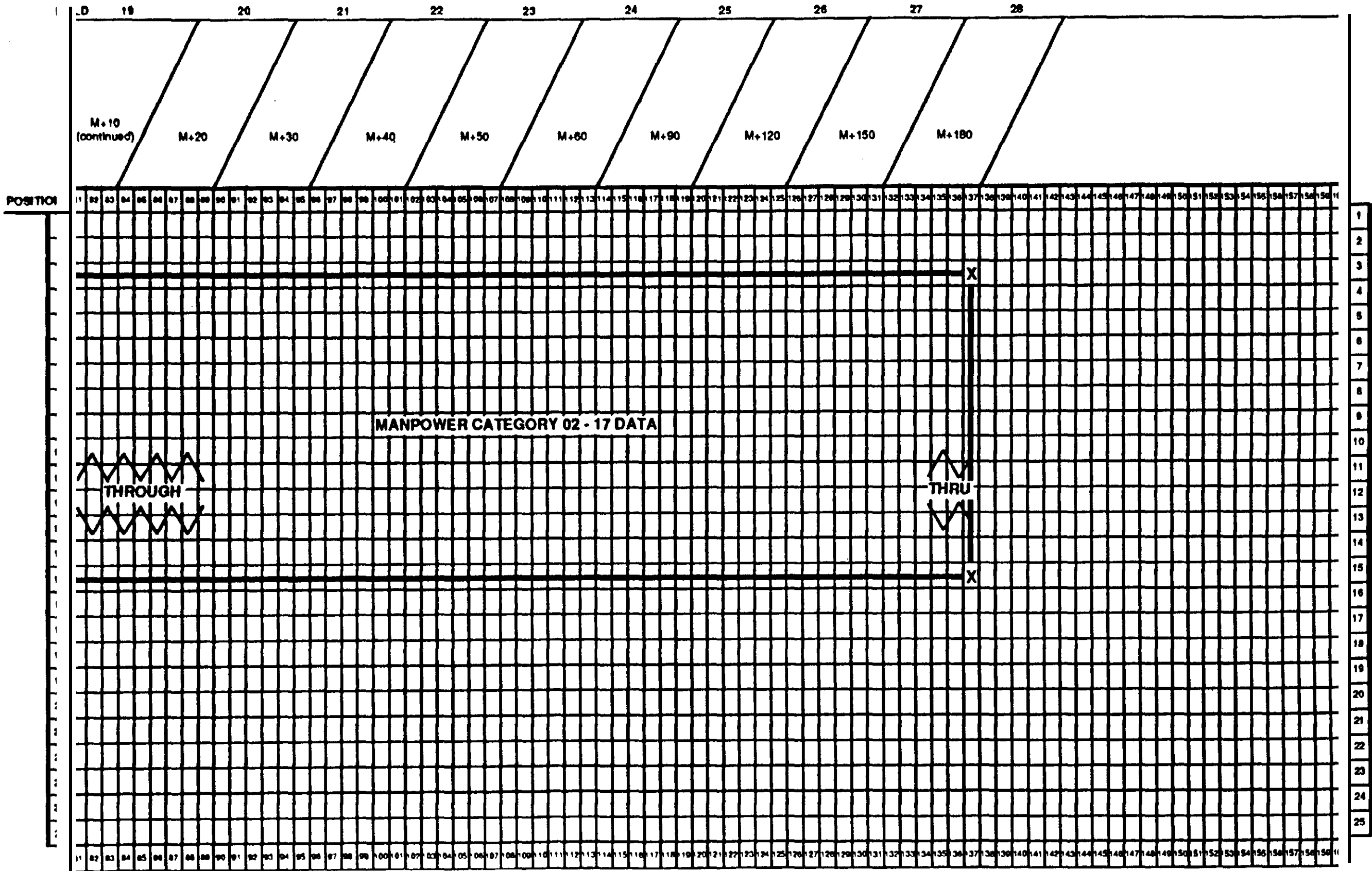
The trainees incremental change at t_n is the difference between the trainees at end at t_n and the trainees at **start at** t_1 .

TABLE J —TRAINING DYNAMICS

FIELD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
	YEAR	COMPONENT FILLER TABLE THEATER	MANPOWER CATEGORY	MANPOWER TYPE	PRE-S-DAY (ACTIVE)	PRE-S-DAY (GUARD)	PRE-S-DAY (RESERVE)	PRE-S-DAY (IMA)	S-DAY (ACTIVE)	S-DAY (GUARD)	S-DAY (RESERVE)	S-DAY (IMA)	M-DAY (ACTIVE)	M-DAY (GUARD)	M-DAY (RESERVE)	M-TO							
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
1	X	X	X	J	Y	0	1	O				X	MANPOWER CATEGORY 01 DATA										X
2							0	1	E			X											X
3							0	2	O														
4							0	2	E														
5							0	3	O														
6							0	3	E														
7							0	4	O														
8							0	4	E														
9																							
10																							
11																							
12																							
13																							
14																							
15	X	X	X	J	Y	1	7	E															X
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
25																							

A-19

TABLE J — TRAINING DYNAMICS (Continued)



A-20

E. PRETRAINED INDIVIDUALS (SUPPLY)

Supply Table K (field 4, position 5, code K) displays the pretrained individual supply from S-Day and beyond. Detail is furnished on officer and enlisted personnel and occupational category.

Instructions

Data apply only to theater code Y. All manpower categories refer to individuals who go directly to their assignment or come out of refresher training on or after S-Day. **Pre-S-Day** entries for codes 1 through 4 will reflect the actual strength of each manpower category (nonadd memo entries only).. Data input tables should be completed using the code, fields, and positions specified for each manpower category, below. A sample data input table follows the conceptual layout.

1. ING (Code 1). Consists of personnel who are members of a National Guard unit in an inactive status. This includes personnel in RCC I (field 9, positions 18 through 23; field 17, positions 66 through 71; fields 19 through 28, positions 78 through 137).

2. IRR (Code 2). Consists of **personnel** who are members of the IRR. This includes personnel in TRC E (field 10, positions 24 through 29; fields 18 through 28, positions 72 through 137).

3. RTD (Code 3). Consists of personnel who are nondisability military retirees from regular or Reserve Service who are under 60 years of age and those military retirees that the Military Service determines are needed for mobilization (field 10, positions 24 through 29; field 14, positions 48 through 53; fields 18 through 28, positions 72 through 137).

4. SBR (Code 4). Consists of personnel who are members of the SBR. This includes personnel in RCC Y (field 10, positions 24 through 29; fields 18 through 28, positions 72 through 137).

5. VOL (Code 5). Consists of personnel who are veterans of prior Military Service with no further military obligation but who have volunteered for active duty (field 18 through 28, positions 72 through 137).

Conceptual Layout

$$\begin{aligned} & (\text{ING})t_i \\ + & (\text{IRR})t_i \\ + & (\text{RTD})t_i \\ + & (\text{SBR})t_i \\ + & (\text{VOL})t_i \\ = & \text{Pretrained individual supply at } t_i \end{aligned}$$

TABLE K — PRETRAINED INDIVIDUALS

FIELD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	YEAR	COMPONENT	FILLER	TABLE	THEATER	MANPOWER CATEGORY	MANPOWER TYPE	PRE-S-DAY (ACTIVE)	PRE-S-DAY (GUARD)	PRE-S-DAY (RESERVE)	PRE-S-DAY (IMA)	S-DAY (ACTIVE)	S-DAY (GUARD)	S-DAY (RESERVE)	S-DAY (IMA)	M-DAY (ACTIVE)	M-DAY (GUARD)	M-DAY (RESERVE)	M-10
POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	X	X	X	K	Y	0	1												
2						0	1												
3						0	2												
4						0	2												
5						0	3												
6						0	3												
7						0	4												
8						0	4												
9						0	5												
10	X	X	X	K	Y	0	5												
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			

A-22

TABLE K — PRETRAINED INDIVIDUALS (Continued)

	19		20		21		22		23		24		25		26		27		28	
POSITION	M+10 (continued)		M+20		M+30		M+40		M+50		M+60		M+90		M+120		M+150		M+180	
1	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
2	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101
3	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121
4	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141
5	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161
6	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181
7	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201
8	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
9	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241
10	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261
11	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281
12	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301
13	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321
14	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341
15	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361
16	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381
17	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401
18	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421
19	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441
20	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461
21	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481
22	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	5	

F. DATA RECORD FORMAT AND CODES

Items marked with an asterisk (*) have been registered in the DoD Data Element Program (DoD 5000.12-M, reference- (u)).

Items marked with a double asterisk (**) may be omitted.

Description	Character Length	Type	Field	Position	Code
<u>*Year</u>	2	N	1	1 through 2	
<u>*Component</u> .	1	A	2	3	
Army					A
Navy					N
Marines					M
Air Force					F
Coast Guard					G
<u>Filler (leave blank)</u>	1		3	4	
<u>Table - Supply and Demand Categories</u>	1	A	4	5	
Force Structure Dynamics (Demand)					B
Replacement Dynamics (Demand)					C
Structure Strengths (Supply)					H
Training Dynamics (Supply)					J
Pretrained Individuals (Supply)					K
<u>*Theater</u>	1	A	5	6	
Europe					E
Atlantic and/or Mediterranean					A
Contingency					C
Pacific Ocean ashore					Q
Pacific Ocean afloat					P
Indian Ocean					I
Northeast Asia					K
Southwest Asia					S
U.S. (used only when not separating deploying from nondeploying)					N
U.S. deploying					D
U.S. nondeploying					F
ROW					R
No theater distinction					Y
<u>Manpower Category</u>	2	N	6	7-8	
* Table B: Force structure dynamics categories					
Manpower authorized in units					Ø1
Additional Manpower required					Ø2
** Manpower from inactivated units					Ø3
** Manpower from reduced units					Ø4
** Reductions due to lost equipment not replaced					Ø5
** Military replaced by civilians					Ø6
** Civilians replaced by military					Ø7
Manpower for unmanned units					Ø8

Description	Character Length	Type	Field	Position	Code
** Transfers out of theater					09
* Table C: Replacement dynamics categories					
KCMIA					01
WIA admissions					02
DNBI admissions					03
** Deserters					04
Returns to duty:					
From patients					05
** From deserters and MIAs					06
Patients remaining					07
Patients evacuated from theater					08
** Died of wounds					09
** Medical discharges					10
* Table H: Structure strengths categories					
Force structure allowance - active					01
Force structure deviation - active					02
** Manpower to be trained					03
Force structure allowance - Selected Reserve					04
** Force structure deviation - Selected Reserve					05
200K call up					06
Partial mobilization call-up					07
Trainees					08
No-shows					09
Trained (nonUnit] individuals					10
* Table J: Training dynamics categories					
Trainees at Start					01
NPS accessions					02
NPS accessions - Selected Reserve					03
** CS accessions					04
** PS accessions - ING					05
PS accessions - IRR					06
** PS accessions - RTD					07
** PS accessions - SBR					08
** PS accessions - (VOL)					09
Trainee attrition					10
Training output - NPS					11
** Training output - CS					12
** Training output - ING					13
** Training output - IRR					14
** Training output - RTD					15
** Training output - SBR					16
** Training output - VOL					17
* Table K: Pretrained individuals categories					
ING					01
IRR					02

Description	Character Length	Type	Field	Position	Code
RID					Ø3
SBR					Ø4
** VOL					Ø5
<u>Manpower Type</u>	3	A/N	7	9-11	
Off icer					
Total					0
Combat					01
Medical					02
Logistics, services, and supply					03
Technical, engineering, maintenance, and repair					04
Communication and intelligence					05
Enlisted					
Total					E
Combat					E1
Medical					E2
Logistics, services, and supply					E3
Technical, engineering, maintenance, and repair					E4
Communication and intelligence					E5
Time					
Pre-S-Day - Active	6	N	8	12 through 17	
Pre-S-Day - Guard	6	N	9	18 through 23	
Pre-S-Day - Reserve	6	N	10	24 through 29	
Pre-S-Day - IMA	6	N	11	30 through 35	
S Day - Active	6	N	12	36 through 41	
S-Day - Guard	6	N	13	42 through 47	
S-Day - Reserve	6	N	14	48 through 53	
S-Day - IMA	6	N	15	54 through 59	
M-Day - Active	6	N	16	60 through 65	
M-Day - Guard	6	N	17	66 through 71	
M-Day - Reserve	6	N	18	72 through 77	
M+10	6	N	19	78 through 83	
M+20	6	N	20	84 through 89	
M+30	6	N	21	90 through 95	
M+40	6	N	22	96 through 101	
M+50	6	N	23	102 through 107	
M+60	6	N	24	108 through 113	
M+90	6	N	25	114 through 119	
M+120	6	N	26	120 through 125	
M+150	6	N	27	126 through 131	
M+180	6	N	28	132 through 137	
Blank Field 138 through 140					

NOTE: Coding must be as indicated in the instructions. When specific coding instructions are not provided, reference must be made to DoD 5000.12-M (reference (u)).

G. AUTOMATION INSTRUCTIONS

1. Data will normally be submitted on magnetic tape. Data submissions on floppy diskette or hand-written input tables may be considered upon specific request.

2. **All** quantity input data are incremental except when otherwise specified and will be submitted in hundreds, rounded to the nearest hundred except that Coast Guard data will be submitted in whole numbers.

3. After completion of the input tables, the data will normally be transcribed onto magnetic tape with the following specifications:

a. Tapes must be IBM compatible, 9-track, EBCDIC, with a tape density of **1600** BPI.

b. Tape records must be blocked 42 records to a block, 140 characters per data record. "

c. No header or trailer labels are to be written on the reels.

d. An IBM compatible tape mark will be used to signal the end of reel (EoR).

e. Tape reels are to be identified by an outside label that lists contents, year, submission date, submitting DoD Component, and the name and telephone number of the person to contact to resolve tape format problems.

f. A hard copy of the first 50 records from the tape must **accompany** the tape submission.

g. Codes for fields 1 through 7 must be **entered** as shown on the sample data input tables in this appendix.

h. All quantity fields (fields 8 through 27) are six digits long, must be right justified, and need not be zero filled.

i. All quantities are expressed in hundreds, rounded to the nearest hundred. (Quantities of 50 to 99 will be rounded up to the next hundred. Quantities of 1 through 49 will be rounded down.) Coast Guard quantities are whole numbers.

j. When negative entries **occur**, a negative sign must precede the first significant digit.